

THE NATIONAL MEDAL OF SCIENCE

You have used your freedom to ask and answer some of the greatest questions of our time. Each of you has been a brilliant innovator, and more — breaking down barriers between disciplines, broadening the frontiers of knowledge, bringing the products of pure research into everyday lives of millions of people, helping to educate the next generation of inventors and innovators.....

For this, America and, indeed, the entire world is in your debt...... The work that you and your colleagues have done has changed everything about our lives. It has brought us to the threshold of a new scientific voyage that promises to change everything all over again......

As our honorees receive their medals, we thank them for the way they have changed the way we view our planet and broadened infinitely the ways we gather and store knowledge. You are part of an unbroken chain from Lewis and Jefferson to Edison and Einstein; from the cotton gin to the space shuttle; from a vaccine for polio to the mysteries of DNA. I thank each of you for what you have done to change our

President William J. Clinton

The White House, March 14, 2000

National Medals of Science and Technology Awards Ceremony

world and to enrich our minds, our imaginations, and our hearts.

PRESIDENT'S COMMITTEE ON THE NATIONAL MEDAL OF SCIENCE

N ATIONAL SCIENCE FOUNDATION
4201 WILSON BOULEVARD
ARLINGTON, VIRGINIA 22230

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The President's Committee on the National Medal of Science is accepting nominations for the year 2001. Award.

The National Medal of Science was established by the 86th Congress in 1959 as a Presidential Award to be given to individuals "deserving of special recognition by reason of their outstanding contributions to knowledge in the physical, biological, mathematical, or engineering sciences." In 1980 Congress expanded this recognition to include the social and behavioral sciences. The Committee of 12 scientists and engineers is appointed by the President to evaluate the nominees for this Award.

Since its establishment, the National Medal of Science has been awarded to 374 distinguished scientists and engineers whose careers spanned decades of research and development. A list of the recipients from 1962 to the present appears elsewhere in this brochure. There are numerous younger American scientists and engineers, many of them women and minorities, now reaching the point where their contributions are worthy of recognition. The Committee asks for your assistance in identifying them.

The nomination procedures and guidelines, as well as instructions for submitting an electronic nomination, renomination, or support letter, are detailed in this brothure. Questions concerning the procedures or requests for <u>additional</u> nomination forms should be directed to the Committee's Program Manager, Mrs. Susan E. Farnoney, at the above address, or by telephone (703-306-1096). Please note that nominations and supporting information for the 2001 Awards must be postmarked by July 31, 2000.

The Committee greatly appreciates your assistance in this public recognition of the outstanding contributions of our Nation's leading scientists and engineers.

Sincerely yours,

Richard A. Zare Chairman

I. CRITERIA

The Committee has established the following guidelines for selection of candidates.

- (a) The total impact of an individual's work on the present state of physical, biological, mathematical, engineering or social and behavioral sciences is to be the principal criterion.
- (b) Achievements of an unusually significant nature in relation to the potential effects of such achievements on the development of scientific thought.
- (c) Unusually distinguished service in the general advancement of science and engineering, when accompanied by substantial contributions to the content of science at some time.
- (d) Recognition by peers within the scientific community.
- (e) Contributions to innovation and industry.
- (f) Influence on education through publications, students, etc.
- (g) Must be a U.S. citizen or permanent resident who has applied for citizenship.

II. NOMINATION PROCEDURES AND DEADLINE FOR SUBMISSION

- (a) Nominations remain active for **four years**, including the year of nomination. After that time, candidates must be renominated with a new nomination package for them to be considered by the Committee.
- (b) Nomination forms are scanned by optical devices. Therefore, if the enclosed form or a facsimile is used, it must be single spaced typewritten using a font no smaller than 12 characters per inch.
- (c) Additional information on active nominations may be submitted via an updated nomination form, or letter submitted to the committee by the established deadline. Call (703) 306-1096 to request renomination of the candidate.
- (d) Nominations and renominations must be returned to the address shown on the nomination form and postmarked by July 31, 2000.

III. LETTERS OF SUPPORT FOR NOMINATIONS

- (a) Nominators are responsible for securing three letters supporting the candidate.
- (b) Letters may accompany the nomination form or be sent separately, but in any event must be postmarked by July 31, 2000.
- (c) Letters should only be mailed, faxed, or sent via the World Wide Web (WWW) electronic form (see Section IV). Email does not protect confidentiality and should not be used for this purpose.

IV. ELECTRONIC SUBMISSION OF NOMINATIONS

Nominations may be submitted electronically via the Internet. Using a World Wide Web (WWW) browser such as Netscape or MS Internet Explorer, access the electronic nomination system at location:

http://www.fastlane.nsf.gov

or access PDF or Word format at:

http://www.nsf.gov/nsb/awards/medalofscience

V. INQUIRIES:

For further information concerning nominations, please contact:

Mrs. Susan Fannoney
Program Manager
National Medal of Science Committee
National Science Foundation
4201 Wilson Boulevard, Rm 1225
Arlington, VA 22230
Email: nms@nsf.gov

Phone: 703-306-1096 Fax: 703-306-0181

Privileged Information

NOMINATION FOR NATIONAL MEDAL OF SCIENCE		
Nominee	Nominator	
Name:	Name:	
Address:	Address:	
Telephone:	Telephone:	
Biographical Data:		
Date and place of birth:		
If naturalized citizen, please check box: \Box		
2. Education:		
3. Positions Held:		
3. Fositions Heid.		
4. Honors:		

Nominee:			
NOLLILIEE.			

Proposed Citation (limit to 1-2 sentences)
Narrative Statement Describing Nominee's Qualifications for a Medal (limit to this space).

Nominee:	-3-	Privileged Information
List of pertinent publications (limit to this page)		

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Name:	Name:
Title:	Title:
Address:	Address:
Telephone:	Telephone:
Name: Title:	The information requested on this nomination is solicited under the authority of the National Science Foundation Act of
Address:	1950, as amended, and will be used and disclosed to reviewers and the White House in connection with the selection of qualified applicants. See Privacy Act/Public Burden statement on last page of this solicitation brochure.
Telephone:	
Nominator's Signature Completed nominations and letters of support must be postmarked by July 31, 2000 and mailed to:	Date Mrs. Susan E. Fannoney Program Manager National Medal of Science Committee National Science Foundation 4201 Wilson Blvd., Room 1225 Arlington, VA 22230 Phone: (703) 306-1096 Fax: (703) 306-0181 Email: sfannone@nsf.gov

NATIONAL MEDAL OF SCIENCE RECIPIENTS 1962-1999

1999

David Baltimore, California Institute of Technology

Felix E. Browder, Rutgers University, Piscataway, NJ

Ronald R. Coifman, Yale University

James W. Cronin, The Enrico Fermi Institute, The University of Chicago

Jared Diamond, UCLA Medical School

Leo P. Kadanoff, The James Franck Institute, The University of Chicago

Lynn Margulis, University of Massachusetts, Amherst

Stuart A. Rice, The James Franck Institute, The University of Chicago

John Ross, Stanford University

Susan Solomon, National Oceanic and Atmospheric Administration. Boulder

Robert M. Solow, Massachusetts Institute of Technology

Kenneth N. Stevens, Massachusetts Institute of Technology

1998

Bruce N. Ames, University of California, Berkeley

Don L. Anderson, California Institute of Technology

John N. Bahcall, Institute for Advanced Study, Princeton University

John W. Cahn, National Institute of Standards and Technology

Cathleen Synge Morawetz, Courant Institute, New York University

Janet D. Rowley, University of Chicago

Eli Ruckenstein, State University of New York at Buffalo

George M. Whitesides, Harvard University

William Julius Wilson, John F. Kennedy School of Government, Harvard University 1997

William K. Estes, Harvard University

Darleane C. Hoffman, University of California, Berkeley Lawrence Berkeley Laboratory

Harold S. Johnston, University of California, Berkeley

Marshall N. Rosenbluth, University of California, San Diego

Martin Schwarzschild*, Princeton University

James D. Watson, Cold Spring Harbor Laboratory

Robert A. Weinberg, Whitehead Institute for Biomedical Research and Harvard University

George W. Wetherill, Carnegie Institution of Washington

Shing-Tung Yau, Harvard University

1996

Wallace S. Broecker, Lamont-Doherty Earth Observatory, Columbia University

Norman Davidson, California Institute of Technology

James L. Flanagan, Rutgers University

Richard M. Karp, University of California, Berkeley and University of Washington

C. Kumar N. Patel, University of California, Los Angeles

Ruth Patrick, Academy of Natural Sciences, Philadelphia

Paul A. Samuelson, Massachusetts Institute of Technology

Stephen Smale, University of California, Berkeley

1995

Thomas R. Cech, University of Colorado

Hans G. Dehmelt, University of Washington

Peter Goldreich, California Institute of Technology

Hermann A. Haus, Massachusetts Institute of Technology

Note: Institutions listed are those with which the recipients were affiliated at the time of the Award.

^{*}Awarded Posthumously

1991

Isabella L. Karle, Naval Research Laboratory

Louis Nirenberg, Courant Institute, New York
University

Alexander Rich, Massachusetts Institute of
Technology

Roger N. Shepard, Stanford University

1994

Ray W. Clough, University of California, Berkeley
John Cocke, IBM T.J. Watson Research Center
Thomas Eisner, Cornell University
George S. Hammond, Bowling Green State University
Robert K. Merton, Columbia University and Russell
Sage Foundation
Elizabeth F. Neufeld, UCLA School of Medicine
Albert W. Overhauser, Purdue University
Frank Press, National Academy of Sciences

1993

Alfred Y. Cho, AT&T Bell Laboratories

Donald J. Cram, University of California, Los Angeles

Val L. Fitch, Princeton University

Norman Hackerman, The Robert A. Welch Foundation

Martin D. Kruskal, Rutgers University

Daniel Nathans, Johns Hopkins University

Vera C. Rubin, Carnegie Institution of Washington

Salome G. Waelsch, Albert Einstein College of

Medicine

1992

Eleanor J. Gibson, Cornell University
Allen Newell, Carnegie Mellon University
Calvin F. Quate, Stanford University
Eugene M. Shoemaker, U. S. Geological Survey
Howard E. Simmons, Jr., E. I. du Pont de Nemours
Maxine F. Singer, Carnegie Institution of Washington
Howard M. Temin, University of Wisconsin
John R. Whinnery, University of California, Berkeley

Mary Ellen Avery, Harvard Medical School Ronald Breslow, Columbia University Alberto P. Calderon, The University of Chicago Gertrude B. Elion, Burroughs Wellcome Company George H. Heilmeier, Bellcore Dudley R. Herschbach, Harvard University G. Evelyn Hutchinson*, Yale University Elvin A. Kabat, Columbia University Robert W. Kates, Brown University Luna B. Leopold, University of California, Berkeley Salvador E. Luria*, Massachusetts Institute of Technology Paul A. Marks, Memorial Sloan-Kettering Cancer Center George A. Miller, Princeton University Arthur L. Schawlow, Stanford University Glenn T. Seaborg, University of California, Berkeley Folke K. Skoog, University of Wisconsin H. Guyford Stever, Washington, DC Edward C. Stone, California Institute of Technology Steven Weinberg, The University of Texas at Austin Paul C. Zamecnik, Worcester Foundation for **Experimental Biology**

1990

Baruj Benacerraf, Harvard Medical School & Dana Farber Cancer Institute

Elkan R. Blout, Harvard School of Public Health Herbert W. Boyer, University of California, San Francisco

George F. Carrier, Harvard University

Allan M. Cormack, Tufts University

Mildred S. Dresselhaus, Massachusetts Institute of Technology

Karl Folkers, The University of Texas at Austin Nick Holonyak, Jr., University of Illinois

Leonid Hurwicz, University of Minnesota

Stephen C. Kleene, University of Wisconsin

- Daniel E. Koshland, Jr., University of California, Berkeley
- Edward B. Lewis, California Institute Of Technology

 John McCarthy, Stanford University
 - Edwin M. McMillan, University of California, Berkeley
- David G. Nathan, The Children's Hospital, Harvard Medical School
 - Robert V. Pound, Harvard University
 - Roger R.D. Revelle, Scripps Institution of Oceanography
- John D. Roberts, California Institute of Technology
 Patrick Suppes, Stanford University
 - E. Donnall Thomas, Fred Hutchinson Cancer Research Center

1989

- Arnold O. Beckman, California Institute of Technology
- Richard B. Bernstein, University of California, Los Angeles
- Melvin Calvin, University of California, Berkeley
 - Harry G. Drickamer, University of Illinois
- Katherine Esau, University of California, Santa Barbara
 - Herbert E. Grier, CER Corporation
 - Viktor Hamburger, Washington University
 - Samuel Karlin, Stanford University
 - Philip Leder, Harvard Medical School
- Joshua Lederberg, The Rockefeller University
- Saunders Mac Lane, The University of Chicago
- Rudolph A. Marcus, California Institute of Technology
 - Harden M. McConnell, Stanford University
 - Eugene N. Parker, The University of Chicago
 - Robert P. Sharp, California Institute of Technology
 - Donald C. Spencer, Princeton University
 - Roger W. Sperry, California Institute of Technology
 - Henry M. Stommel, Woods Hole Oceanographic Institution
- Harland G. Wood, Case Western Reserve University

1988

- William O. Baker, AT&T Bell Labs
- Konrad E. Bloch, Harvard University
- D. Allan Bromley, Yale University
- Michael S. Brown, University of Texas Southwestern Medical Center
 - Paul C. W. Chu, University of Houston
 - Stanley N. Cohen, Stanford University School of Medicine
 - Elias J. Corey, Harvard University
 - Daniel C. Drucker, University of Florida
 - Milton Friedman, The Hoover Institution, Stanford University
- Joseph L. Goldstein, University of Texas Southwestern Medical Center
 - Ralph E. Gomory, IBM Corporation
 - Willis M. Hawkins, Lockheed Corporation
 - Maurice R. Hilleman, Merck Institute for Therapeutic Research
- George W. Housner, California Institute of Technology
- Eric R. Kandel, Howard Hughes Medical Institute, Columbia University
 - Joseph B. Keller, Stanford University
- Walter Kohn, University of California, Santa Barbara
 - Norman F. Ramsey, Jr., Harvard University
 - Jack Steinberger, European Center for Nuclear Research
 - Rosalyn S. Yalow, VA Hospital, Bronx, NY

1987

- Phillip H. Abelson, American Association for the Advancement of Science
 - Anne Anastasi, Fordham University
 - Robert Byron Bird, University of Wisconsin
 - Raoul Bott, Harvard University
- Michael E. DeBakey, Baylor College of Medicine
- Theodor O. Diener, U. S. Department of Agriculture
- Harry Eagle, Albert Einstein College of Medicine
 - Walter M. Elsasser, Johns Hopkins University

Michael H. Freedman, University of California, San Diego

William S. Johnson, Stanford University

Har Gobind Khorana, Massachusetts Institute of Technology

Paul C. Lauterbur, University of Illinois

Rita Levi-Montalcini, Italian National Research Council

George E. Pake, Xerox Corporation

H. Bolton Seed, University of California, Berkeley

George J. Stigler, The University of Chicago

Walter H. Stockmayer, Dartmouth College

Max Tishler, Wesleyan University

James A. Van Allen, University of Iowa

Ernst Weber, Polytechnic Institute of New York

1986

Solomon J. Buchsbaum, Bell Telephone Laboratories

Stanley Cohen, Vanderbilt University

Horace R. Crane, University of Michigan

Herman Feshbach, Massachusetts Institute

of Technology

Harry B. Gray, California Institute of Technology

Donald A. Henderson, Johns Hopkins University

Robert Hofstadter, Stanford University

Peter D. Lax, New York University

Yuan T. Lee, University of California, Berkeley

Hans W. Liepmann, California Institute of Technology

T. Y. Lin, T.Y. Lin, International

Carl S. Marvel, University of Arizona

V. B. Mountcastle, Johns Hopkins University

Bernard M. Oliver, NASA Ames Research Center

George E. Palade, Yale University

Herbert A. Simon, Carnegie Mellon University

Joan A. Steitz, Yale University

Frank H. Westheimer, Harvard University

Chen Ning Yang, State University of New York at Stony Brook

Antoni Zygmund, The University of Chicago

1985

No Awards given.

1984

No Awards given.

1983

Howard L. Bachrach, Plum Island Animal Disease Center, USDA

Paul Berg, Stanford University Medical Center

E. Margaret Burbidge, University of California, San Diego

Maurice Goldhaber, Brookhaven National Laboratory

Herman H. Goldstine, Institute for Advanced Study

William R. Hewlett, Hewlett-Packard Company

Roald Hoffman, Cornell University

Helmut E. Landsberg, University of Maryland

George M. Low*, Rensselaer Polytechnic Institute

Walter H. Munk, University of California, San Diego

George C. Pimentel, University of California, Berkeley

Frederick Reines, University of California, Irvine

Wendell L. Roelofs, Cornell University

Bruno B. Rossi, Massachusetts Institute of Technology

Berta Scharrer, Albert Einstein College of Medicine

Robert J. Schrieffer, University of Pennsylvania

Isadore M. Singer, University of California, Berkeley

John G. Trump*, Massachusetts Institute of Technology

Richard N. Zare, Stanford University

1982

Philip W. Anderson, Bell Telephone Laboratories

Seymour Benzer, California Institute of Technology

Glenn W. Burton, Coastal Plain Experimental Station, USDA

Mildred Cohn, University of Pennsylvania School of Medicine

F. Albert Cotton, Texas A&M University

 $Edward\ H.\ Heinemann,\ General\ Dynamics\ Corporation$

Donald L. Katz, University of Michigan

Yoichiro Nambu, Enrico Fermi Institute of Nuclear Studies

Marshall H. Stone, University of Massachusetts

Gilbert Stork, Columbia University

Edward Teller, Hoover Institute on War, Peace, and Revolution, Stanford University

Charles H. Townes, University of California, Berkeley

1981

Philip Handler, National Academy of Sciences

1980

No Awards given.

1979

Robert H. Burris, University of Wisconsin

Elizabeth C. Crosby, University of Michigan

Joseph L. Doob, University of Illinois

Richard P. Feynman, California Institute of

Technology

Donald E. Knuth, Stanford University

Arthur Kornberg, Stanford University School of Medicine

Emmett N. Leith, University of Michigan

Herman F. Mark, Polytechnic Institute of Brooklyn

Raymond D. Mindlin, Columbia University

Robert N. Noyce, Intel Corporation

Severo Ochoa, New York University

Earl R. Parker, University of California, Berkeley

Edward M. Purcell, Harvard University

Simon Ramo, Thompson, Ramo, Wooldridge, Inc.

John H. Sinfelt, ESSO Research & Engineering Company

Lyman Spitzer, Jr., Princeton University

Earl R. Stadtman, National Institutes of Health

Ledyard G. Stebbins, University of California, Davis

Paul A. Weiss, Rockefeller University

Victor F. Weisskopf, Massachusetts Institute of Technology

1978

No Awards given.

1977

No Awards given.

1976

Morris Cohen, Massachusetts Institute of Technology
Kurt O. Friedrichs, New York University
Peter C. Goldmark, Goldmark Communications Corp.
Samuel A. Goudsmit, University of Nevada
Roger C. L. Guillemin, Salk Institute of Biological
Studies

Herbert S. Gutowsky, University of Illinois

Erwin W. Mueller*, Pennsylvania State University

Keith R. Porter, University of Colorado at Boulder

Efraim Racker, Cornell University

Frederick D. Rossini, Rice University

Verner E. Suomi, University of Wisconsin

Henry Taube, Stanford University

George F. Uhlenbeck, Rockefeller University

Hassler Whitney, Princeton University

Edward O. Wilson, Harvard University

1975

John Backus, IBM

Manson Benedict, Massachusetts Institute of Technology

Hans A. Bethe, Cornell University

Shiing-shen Chern, University of California, Berkeley

George B. Dantzig, Stanford University

Hallowell Davis, Central Institute for the Deaf, Washington University

Paul Gyorgy*, University of Pennsylvania Medical School

Sterling Hendricks, U. S. Department of Agriculture

Joseph Hirschfelder, University of Wisconsin

William H. Pickering, California Institute of

Technology

Lewis H. Sarett, Merck, Sharp & Dohme Research Lab
Frederick E. Terman, Stanford University
Orville A. Vogel, Washington State University
Werner von Braun, National Aeronautics &
Space Administration
E. Bright Wilson, Harvard University
Chein-Shiung Wu, Columbia University

1974

Nicolaas Bloembergen, Harvard University
Britton Chance, University of Pennsylvania
Erwin Chargaff, Columbia University
Paul John Flory, Stanford University
William A. Fowler, California Institute of Technology
Kurt Godel, Institute for Advanced Study
Rudolf Kompfner, Stanford University

James V. Neel, University of Michigan Medical School
Linus Pauling, Stanford University
Ralph B. Peck, University of Illinois
K. S. Pitzer, University of California, Berkeley
James A. Shannon, Rockefeller University
Abel Wolman, Johns Hopkins University

1973

Daniel I. Arnon, University of California, Berkeley

Carl Djerassi, Stanford University

Harold E. Edgerton, Massachusetts Institute of Technology

William M. Ewing, The Marine Institute, The University of Texas Medical Branch

Arie J. Haagen-Smit, California Institute of Technology

Vladimir Haensel, Universal Oil Products Company

Frederick Seitz, Rockefeller University

Earl W. Sutherland, University of Miami

John W. Tukey, Princeton University

Richard T. Whitcomb, Langley Research Center

Robert R. Wilson, Fermi National Accelerator

Laboratory

1972

No Awards given.

1971

No Awards given.

1970

Richard D. Brauer, Harvard University
Robert H. Dicke, Princeton University
Barbara McClintock, Carnegie Institution of Washington

George E. Mueller, General Dynamics Corporation
Albert B. Sabin, Weizmann Institute of Science

Allan R. Sandage, California Institute of Technology
John C. Slater, University of Florida
John A. Wheeler, Princeton University

Saul Winstein*, University of California, Los Angeles

1969

Herbert C. Brown, Purdue University

William Feller*, Princeton University

Robert J. Huebner, National Cancer Institute

Jack S. C. Kilby, Texas Instruments, Inc.

Ernst Mayr, Harvard University

Wolfgang K.H. Panofsky, Stanford University

1968

H. Albert Barker, University of California, Berkeley
Paul D. Bartlett, Harvard University
Bernard B. Brodie, National Institutes of Health
Detlev W. Bronk, Rockefeller University
J. Presper Eckert, Sperry Rand Corporation
Herbert Friedman, Naval Research Laboratory
Jay L. Lush, Iowa State University
Nathan M. Newmark, University of Illinois
Jerzy Neyman, University of California, Berkeley

Lars Onsager, Yale University
B. Frederic Skinner, Harvard University
Eugene P. Wigner, Princeton University

1967

Jesse W. Beams, University of Virginia
Francis Birch, Harvard University
Gregory Breit, Yale University
Paul J. Cohen, Stanford University
Kenneth S. Cole, National Institutes of Health
Louis P. Hammett, Columbia University
Harry F. Harlow, University of Wisconsin
Michael Heidelberger, New York University
George B. Kistiakowsky, Harvard University
Edwin H. Land, Polaroid Corporation
Igor I. Sikorsky, Sikorsky Aircraft Division
Alfred H. Sturtevant, California Institute of Technology

1966

Jacob A. B. Bjerknes, University of California, Los

Angeles

Subrahmanyan Chandrasekhar, The University of Chicago

Henry Eyring, University of Utah

E. F. Knipling, U. S. Department of Agriculture
Fritz A. Lipmann, Rockefeller University

John W. Milnor, Princeton University

William C. Rose, University of Illinois

Claude E. Shannon, Massachusetts Institute
of Technology

John H. Van Vleck, Harvard University

Sewall Wright, University of Wisconsin

Vladimir K. Zworykin, Radio Corporation of America

1965

John Bardeen, University of Illinois

Peter J. W. Debye, Cornell University

Hugh L. Dryden*, National Aeronautics & Space

Administration

Clarence L. Johnson, Lockheed Aircraft Corporation
Leon M. Lederman, Columbia University
Warren K. Lewis, Massachusetts Institute of
Technology
Francis P. Rous, Rockefeller University
William W. Rubey, University of California, Berkeley
George G. Simpson, Harvard University
Donald D. Van Slyke, Brookhaven National Labs
Oscar Zariski, Harvard University

1964

Roger Adams, University of Illinois
Othmar H. Ammann, Ammann & Whitney
Theodosius Dobzhansky, Rockefeller University
Charles S. Draper, Massachusetts Institute of
Technology
Solomon Lefschetz, Princeton University
Neal E. Miller, Yale University
Harold M. Morse, Institute of Advanced Studies
Marshall W. Nirenberg, National Institutes of Health
Julian Schwinger, Harvard University
Harold C. Urey, University of California, San Diego
Robert B. Woodward, Harvard University

1963

Luis W. Alvarez, University of California, Berkeley
Vannevar Bush, Carnegie Institution of Washington
John R. Pierce, Bell Telephone Laboratories
Cornelis van Niel, Stanford University
Norbert Wiener, Massachusetts Institute of Technology

1962

Theodore Von Karman, California Institute of Technology

The President's Committee on the National Medal of Science

Bruce Alberts*, President, National Academy of Sciences

Sandra Faber, Professor and Astronomer, Lick Observatory, University of California, Santa Cruz

Neal F. Lane*, Assistant to the President for Science & Technology and Director, Office of Science and Technology Policy

Eric S. Lander, Director, Whitehead Institute/MIT Center for Genome Research

Jay Patel, Environmental Engineer, Coral Springs, Florida

Ruth Patrick, Francis Boyer Chair of Limnology, Natural Academy of Sciences, Philadelphia

Samuel Preston, Dean and Frederick J. W arren Professor of Demography,

University of Pennsylvania

Norman F. Ramsey Jr., Higgins Professor of Physics Emeritus, Harvard University

Richard N. Zare (Chair), Marguerite Blake W ilbur Professor of Chemistry, Stanford University

Mary Lou Zoback, Chief Scientist, W estern Farthquake Hazards Team, U.S. Geological Survey

(Four vacancies)

Susan E. Fannoney Program Manager

^{*}Member, ex officio

PRIVACYACTAND PUBLIC BURDEN STATEMENTS

The information requested on the application materials is solicited under the authority of the National Science Foundation Act of 1950, as amended. It will be used in connection with the selection of qualified applicants and may be disclosed to qualified reviewers and staff assistants as part of the review process; to government contractors as necessary to complete assigned work; and to another Federal agency, court or party in a court or Federal administrative proceeding if the government is a party. Notice of the decision may be given to nominators, and disclosure may be made of awardees' names, home institutions, and field of study for public information/affairs purposes including press releases. Biographical and background information from publicly available sources may also be used for this purpose. See Systems of Records, NSF-12, "Fellowships and Other Awards," 63 Federal Register 265 (January 5, 1998). Submission of the information is voluntary; however, failure to provide full and complete information may reduce the possibility of receiving an award.

The public reporting burden for this collection of information is estimated to average 10 hours per response, including the time for reviewing instructions, searching existing data sources, gethering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to:

Suzanne Plimpton Reports Clearance Officer Information Dissemination Branch, DAS National Science Foundation Arlimpton, VA 22230

Requests for publications should be addressed to: NSF Publication Clearinghouse P.O. Box 218

Jessup, MD 20794-0218 Phone: 301-947-2722

Fax: None

Email: pubs@nsf.qov

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